

Release Notes for Monitoring Data Checking Software Version 3.1

1. Specification and Criteria Changes

Edited selected import messages that are not errors to indicate that they are informational only (e.g., test number assignments).

Monitoring Plan Module

- ARP-8: Changed check to require MPC value for ONOX or GNOX parameter in RT 530.
- ARP-14: Added logic to look for CEM methodology for SO₂, NO_x and HI if C, W, R or PRS is an active fuel.
- ARP-20: Changed check to allow wood as primary fuel for stoker boiler.
- ARP-27: Restricted check to purpose equal to "PM" (Primary Measurement).
- ARP-63: Added this check to ensure that RT 560 Segment IDs consist of three alphanumeric characters.
- ARP-64: Added this check to ensure that both high and low scale RT 530 span records are included if the Dual Range Required field is completed for one, it is also completed for the other.
- NBP-2D: Added this check to make sure Program Participation Date for OTC-SUBH is later than Program Participation Date for NBP. Also added date check to ensure date for SUBH or OTC-SUBH is greater than or equal to 1/1/2000.
- NBP-16: Eliminated check for H₂O.
- NBP-17: Added DP, TEMP, PRES as valid component types for system parameters OILV and OILM.
- NBP-48: Changes to valid units of measure for parameter GCV.
- NBP-49: Removed code DCPW from RT 531. Revised this check to remove DCPW as a source of value for CO₂M and O₂X. Added codes H₂OM and H₂OX as parameters for minimum and maximum %H₂O (needed for missing data purposes).
- NBP-52: Made the Initial Accuracy Test Method field NOT a required field for systems comprised of billing meters (BGFF and BOFF component types).

NBP-61: Added this check to look for RT 585 for HI for SUBH/NBP units (if applicable).

NBP-IMP15: Changed error message text to explain why EDR v2.1 fields would be rejected for a unit identified as NBP-only.

QA Test Module

APPE-23: Deleted check. Added F-Factor range check for RT 651.

APPE-25 Removed GCV and density from the list of values being checked for
/UDEF-18: consistency among all RTs 652.

APPE-24 Modified comparison of RTs 651 and 560 to match operating levels according
/IDEN-11: to the EDR Instructions. Also changed RT 560 segment generation to populate
operating levels starting with the lowest RT 651 operating level minus one.

APPE-33: Deleted.

LIN-23B: Added logic to check NOx span so that error message is not generated for NOx
monitor with span less than or equal to 30 ppm (which is exempt from linearity
testing).

QEXP-1: Modified to account for blank component ID for Flow-to-Load test extension.

QEXP-2K: Deleted.

RATA-36C: Changed to warning message.

RATA-46D: Deleted.

2. Look-up Table Changes

- a. RT 510: Added CO2A, O2DA, O2WA as component codes for ARP sources. Changed related specs.
- b. RT 520: Added new formula codes 19-3D, 19-5D for NOx, F-14D for CO2 and F-17D for Heat Input for use during some diluent cap hours. Added formula code G-4A for CO2 mass emissions for gas-fired units during mixed fuel hours. Added SO2R formula D-1H to calculate site-specific SO2 emission rate for gas. Added formula code F-21D to apportion heat input from a common pipe to each unit using uncertified fuel flowmeters. Added N-3 formula for ARP or SUBH H sources to represent the sum of NOx mass from two fuel-specific Appendix E values. Added M-1K formula code to specs and as ARP formula for moisture in look-up table. Modified checks ARP-54, ARP-7 and NBP-28

accordingly. Added formula codes N-GAS and N-OIL to calculate net gas/oil fuel flow (parameters FGAS and FOIL), X-FL to calculate average stack flow from multiple flow monitors (parameter FLOW).

- c. RT 531: Added parameter value codes H2OX and H2OM for maximum and minimum potential moisture for missing data purposes.
- d. RT 531: Removed DCPW as code of Source of Value for diluent cap. DCPD should be used for all diluent cap values.
- e. RT 540: Added AGA7 as valid initial accuracy test method.
- f. RT 556: Added 170 "Change to the Span Value of a Gas Monitor" and 180 "Critical Orifice Replacement" to the list of codes. Made changes to include these codes in ARP-37.
- g. RT 585: Added NFS (non-fuel specific) as acceptable fuel code for opacity for units exempted from opacity monitoring due to use of wet scrubbers. Allowed parameter H2O and method MTB for an NBP-only unit.
- h. RT 587: Added code "E" to designate Emergency Fuel in the Primary/Secondary Indicator field. Added code "I" to designate "Ignition/Start-up only" fuel.

3. Data Entry/Calculation Changes

- a. Fixed crash that occurred when double-clicking on empty listboxes
- b. Changed the title for RT 610 run status flag field from "Run" to "Run Status."
- c. RATA: Corrected calculation of reported results for multi-load RATA.

4. Reports Changes

- a. Corrected problem on MP printout that resulted in RT 503 and 531 data not being printed when user chose to print selected units/stacks.
- b. RATA-27: Corrected print-out on error report (was printing RATA-27A).

5. Import/Export Changes

- a. Fixed export of RT 900 to include ADR name.

- b. Corrected export format of RT 930 signature date.
- c. Corrected export format of RT 999 phone and fax numbers.
- d. Modified certification statement module to provide access to both RTs 930 and 940 for NBP/OTC-SUBH and SUBH sources.
- e. Modified the export program to cancel the export if there are missing or invalid program identifiers (RTs 505) for the selected units/stacks which prevent determining whether EDR v2.0 or 2.1 should be created.

6. Other Changes

- a. The MDC Helpfile has been updated to reflect the above changes as well as additional EDR v2.1 instructions changes.
- b. Added Monitoring Plan archive utility to store data that is replaced by imported file.